

PATENT ABSTRACTS OF JAPAN

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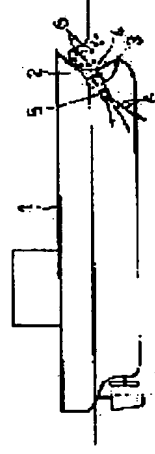
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(54) FRICTION RESISTANCE REDUCTION SHIP

(57)Abstract:

PROBLEM TO BE SOLVED: To provide large friction resistance reduction effect by small power.

SOLUTION: A bow breakage wave introduction passage 3 which introduces a bow breakage wave 6 generated by hitting on a front face of a bow part 2 into a ship bottom side is provided at positions on both port side and starboard side of the bow part 2 of a hull 1. As for the bow breakage wave introduction passage 3, its take-in port 4 is opened on a front side of the bow part and a blow-out port 5 is opened on outboard of the bow part so that the passage 3 is stretched obliquely and downward from the take-in port 4 to the blow-out port 5. The bow breakage wave 6 generated in the front of the bow part is introduced into the ship bottom side through the bow breakage wave introduction passage 3 to use it as minute air bubble for micro-bubble propulsion.



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